

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.C.A.DEGREE EXAMINATION –COMPUTER APPLICATIONS

THIRD SEMESTER – APRIL 2018

16UCA3MC01– PROGRAMMING IN JAVA

Date: 03-05-2018

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART-A

Answer all questions:10X2=20

- 1.What are tokens in Java?
- 2.What is bytecode?
- 3.Define inheritance
- 4.What is a class ? Give an example
5. What do you mean by interface in java?
6. What are wrapper classes? Give an example
- 7.Define Multithreading
8. What are the states of a thread?
9. What is an applet?
10. List few advantages of Applet

PART-B

Answer all questions:5x8=40

11.a) Compare and contrast JAVA with C++

(or)

b)What is data type? List any basic five data types in java and explain them with example.

12.a)What is constructor? Explain with example?

(or)

b)Explain about abstract class with example

13.a)Write about vector class in java with example

(or)

b)Explain about Packages with example

14.a)Write a java program for Multithreading

(or)

b)Write short notes on Inter thread Communication

15.a)Write the difference between Java application and Applet

(or)

b) Write a Java applet program that displays a simple message

PART-C

Answer any Two questions: 2x20=40

16. a)What is an operator? Explain various types of operators used in java

b) Explain about method Overriding with an example

17. a)Write a java program for extending Interface concept

B Explain the concept of synchronization of thread and its advantages

18. a)Explain the Applet life cycle

b)Explain the control statement with an example
